



UNIVERSITY OF COLORADO AT COLORADO SPRINGS

Fort Carson Sustainability Conference

~ University Experiences ~

November 9, 2005
Sheraton Hotel
Colorado Springs, Colorado





“Universities educate most of the people who develop and manage society’s institutions. For this reason, universities bear profound responsibilities to increase awareness, knowledge, technologies and tools to create an environmentally sustainable future.”

– The Tailloires Declaration (Association of University Leaders for a Sustainable Future) 1992



UNIVERSITY OF COLORADO AT COLORADO SPRINGS

America's Premier Regional Comprehensive Research University



- ↗ Fastest growing university in state, among fastest growing in nation
- ↗ Fall 2005 enrollment - 7,850
- ↗ 80% of graduates stay in Colorado
- ↗ “Best in West” – *U.S. News and World Report*

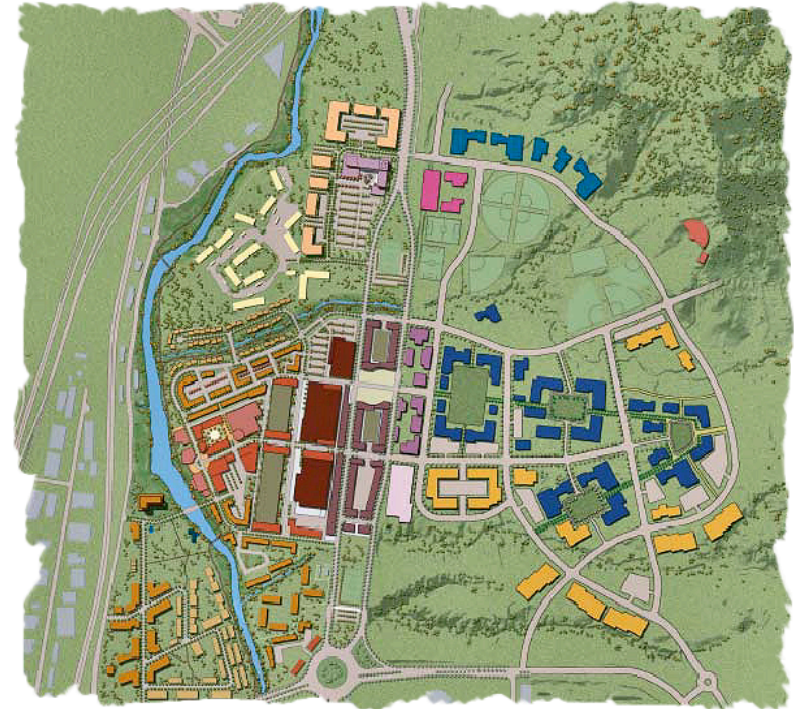
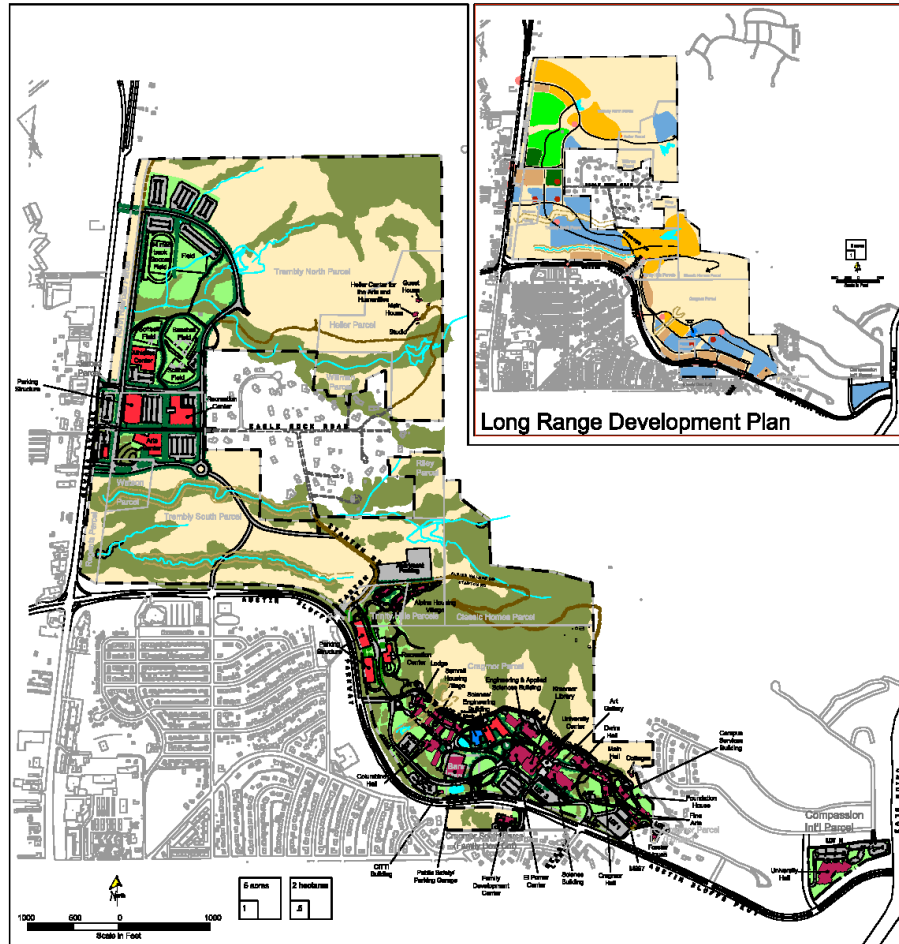


UNIVERSITY OF COLORADO AT COLORADO SPRINGS

UCCS Images



uccs.edu



Growing

Master Plan

University of Colorado-Colorado Springs

04/19/04

04/19/04
Facilities Services Department



Agenda

- a Is There a Commitment from our Leadership ?
- a Review and Analysis – What Do We Want to Do?
- a Coordinated Progress – Engaging Stakeholders
- a Responding to Fear – \$ \$ \$
- a Shifting Paradigms becomes Process Improvement



Leadership Commitment to Sustainability



Top Level Support Is Fundamental, Vital, and First



Chancellor Chartered a Sustainability Taskforce



Part of the Inventing the Future Initiative



Membership included Students, Faculty, and Staff



Review and Analysis – What Do We Want to Do?

LEED®

Energy Star (EPA)

- Taskforce Meetings
- Draft and Final Reports
- Administration Approval
- Communication of the Report to the University



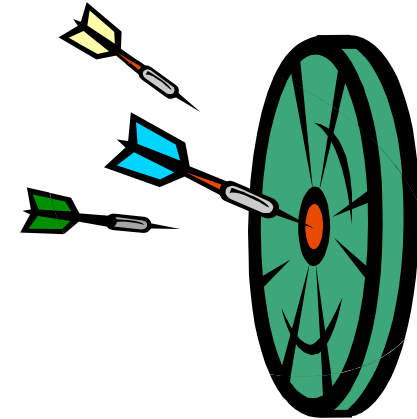
*Taillor's
Declaration*

Green Globes™



Coordinated Progress – Engaging Stakeholders

- " Energy Conservation Contract
- " Capital Construction Program
- " Students for Environmental Awareness & Sustainability
- " Faculty and Staff
- " Sustainability Officer – 1st in CU System





Responding to Fear – \$ \$ \$

① UCCS VCAF initiated CU System Sustainability Guidelines



① Incorporated LEED®, Energy Star, and others



① Visited Green Certified Facilities

① Promoted Life-Cycle Cost Analysis



Shifting Paradigms] Process Improvement

- Engaged with Local Experts – City of Colorado Springs, El Paso County, and Fort Carson
- Created a Sustainability Minor
- Registered Student Recreation Center with USGBC
- Selected Staff to be LEED® certified





UNIVERSITY OF COLORADO AT COLORADO SPRINGS

Student Recreation Center



54,000 GSF, \$12 Million, Student Funded
Sink Combs Architect
Adolfson-Peterson Construction
Opening August 2007



We Welcome Your Interest...

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Backup and Supporting Slides





What is the Talloires Declaration?

The Talloires (tal-wahr) Declaration is both a document and a movement. It has been signed and its principles are being put into practice by over 300 universities worldwide.

The Declaration addresses the fundamental problems we see in our environment today, including pollution, distribution of toxic wastes, depletion of water and land, and threat to the survival of humans, animals and other species.

To reverse such threats to our environment, EACH SIGNATORY PROMISES to take the following actions:

To RAISE AWARENESS throughout the university and their surrounding community by addressing the need for a sustainable future;

To CREATE PROGRAMS and curriculum that teach environmental literacy;

To ENCOURAGE all universities to take an active part in education, research, and policy formation;

To SET AN EXAMPLE of environmental responsibility by creating programs that deal with waste reduction, recycling and conservation;

To CREATE DIALOGUE AND PARTNERSHIPS with surrounding schools in the hope of developing more classes as well as raising awareness regarding overpopulation, and environmental and sustainable development issues; and

To ESTABLISH a campus-wide community to steer, inform and support the efforts in carrying out this declaration.



LEED: Leadership in Energy and Environmental Design

The LEED (Leadership in Energy and Environmental Design) Green Building Rating System® is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings. Members of the U.S. Green Building Council representing all segments of the building industry developed LEED and continue to contribute to its evolution. LEED standards are currently available or under development for:

[New commercial construction and major renovation projects \(LEED-NC\)](#)

[Existing building operations \(LEED-EB\)](#)

[Commercial interiors projects \(LEED-CI\)](#)

[Core and shell projects \(LEED-CS\)](#)

[Homes \(LEED-H\)](#)

[Neighborhood Development \(LEED-ND\)](#)



WELCOME TO GREEN GLOBES™:
A **REVOLUTIONARY** WAY TO ASSESS AND RATE YOUR COMMERCIAL BUILDING ONLINE.



The Green Globes™ system was introduced in the United States in 2004. It was adapted from a Canadian protocol of the same name, and is one of only two green building rating systems recommended by the Canadian government in its *Guidelines for the Use of Building Performance Assessment Tools*. Under the trade name *Go Green Comprehensive*, it is also the basis for the *Building Owners and Managers Association (BOMA)* of Canada's national energy and environmental program for existing buildings.



What is ENERGY STAR?

ENERGY STAR is a government-backed program helping businesses and individuals protect the environment through superior energy efficiency.

Results are already adding up. In 2004 alone, Americans, with the help of ENERGY STAR, saved enough energy to power 24 million homes and avoid greenhouse gas emissions equivalent to those from 20 million cars - all while saving \$10 billion.